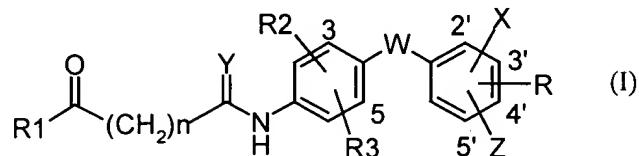


Thyromimetic Organic CompoundsAbstract of the Disclosure

Compounds of the formula



in which W is O, S, S(O) or S(O)<sub>2</sub>; X is -SR<sub>4</sub>, -S(O)R<sub>4</sub>, or -S(O)<sub>2</sub>R<sub>4</sub>, -S(O)<sub>2</sub>NR<sub>5</sub>R<sub>6</sub>; or X is -C(O)NR<sub>5</sub>R<sub>6</sub> provided that -C(O)NR<sub>5</sub>R<sub>6</sub> is located at the 3', 4' or 5' position; Y is O or H<sub>2</sub>; Z is hydrogen, halogen, hydroxy, optionally substituted alkoxy, aralkoxy, acyloxy or alkoxycarbonyloxy; R is hydrogen, halogen, trifluoromethyl, lower alkyl or cycloalkyl; R<sub>1</sub> is hydroxy, optionally substituted alkoxy, aryloxy, heteroaryloxy, aralkyloxy, cycloalkoxy, heteroaralkoxy or -NR<sub>5</sub>R<sub>6</sub>; R<sub>2</sub> is hydrogen, halogen or alkyl; R<sub>3</sub> is halogen or alkyl; R<sub>4</sub> is optionally substituted alkyl, aryl, aralkyl, heteroaralkyl or heteroaryl; R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are independently hydrogen, optionally substituted alkyl, cycloalkyl, aryl, aralkyl, heteroaryl, or heteroaralkyl; or R<sub>5</sub> and R<sub>6</sub> combined are alkylene optionally interrupted by O, S, S(O), S(O)<sub>2</sub> or NR<sub>7</sub> which together with the nitrogen atom to which they are attached form a 5- to 7- membered ring; n represents zero or an integer from 1 to 4; pharmaceutically acceptable salts thereof; pharmaceutical compositions comprising said compounds; a method to prevent and treat diseases associated with an imbalance of thyroid hormones, such as hypo- and hyperthyroidism, obesity, osteoporosis and depression; and, a method of lowering LDL cholesterol and Lp(a) levels in mammals using such compounds.